To Keep or Not to Keep?

Name: Kimberly Souba
Teaching content area(s): 8th Grade Science
School: Glenview Middle School, East Moline
Extern host site: John Deere NA-PDC

Part I: Overview of Business

• John Deere NA-PDC: Milan, IL
• John Deere is a family-oriented company that holds four core values (integrity, quality, commitment, and innovation) which guides the company that founder, blacksmith John Deere created in 1837 in Grand Detour, IL. After 10 years, • John Deere moved the company to Moline to utilize the Mississippi River for water power and transportation options.
• John Deere offers a variety of services and products in the agriculture, lawn and garden, construction, and forestry realms and more.
• John Deere's world headquarters is located in Moline with factories and plants also located in Germany, Brazil, Argentina, Australia, China, Mexico, India, Sweden, Canada, and more.

Part II: Job Specifics

• Worked in two departments
    Inventory Optimization – Responsible for deduction of service parts surplus inventory
    Master Data – Responsible for input management of global parts information
• Both departments used excel macros to automate manual tasks of refreshing files and copying data between systems

Part III: Introduce the Problem

Primary Project
• Visual Basic Macros
   Objective: Create three simple Visual Basic macros to automate manual tasks.
Secondary Projects
• Market Basket Analysis
   Objective: Find correlations between service parts that would justify storing parts in close proximity within a warehouse zone.
• Warehouse Capacity Planning
   Objective: Work with the project team to develop models for predicting space requirements for two warehouses

Part IV: Background

• Basic excel knowledge
• Basic knowledge of VBA
• Weekly sales of products to see what is selling and what is not

Part V: Business Solution

• Create excel spreadsheet to track weekly sales for six months to see if the products were going to sell or not. If not selling, should company keep product or scrap it.

Part VI: Student Solutions

• Depending on how products sell, students can decide if they should get rid of them and find new products or not.